IN THE CLAIMS

Claims 1-37 (Cancelled)

38. (Previously Presented) A method for automatically customizing medical protocols, comprising the steps of:

receiving data relating to one or more patients;

customizing one or more medical protocols based on the received data to derive one or more customized medical protocols;

transmitting the one or more customized medical protocols and/or information associated therewith to one or more medical monitoring devices associated with the one or more patients.

39. (Currently Amended) The method of claim [38] 83, wherein the one or more medical protocols include at least one of:

a medical treatment plan;

a medical monitoring schedule;

a description of one or more events associated with the medical monitoring schedule; and

one or more medical instructions.

40. (Currently Amended) The method of claim [38] 83, wherein the data relating to a patient is received from a medical monitoring device associated with the patient, the data including at least one of:

a response to a medical questionnaire;

information related to a medical symptom;

information related to a monitored event and/or condition associated with the patient;

information related to a medical reaction to a medical treatment; and

information related to a physical condition of the patient.

41. (Currently Amended) The method of claim [38] 83, wherein the information related to a customized medical protocol comprises at least one of:

one or more medical questionnaires;

one or more messages; and

one or more instructions related to medical treatment.

42. (Currently Amended) The method of claim [38] 83, wherein the information related to a customized medical protocol is converted from the customized medical protocol.

43. (Previously Presented) The method of claim 42, wherein the information related to a customized medical protocol is converted by a corresponding medical monitoring device.

44. (Previously Presented) The method of claim 42, wherein the information related to a customized medical protocol is converted by a device located remotely from a corresponding medical monitoring device that receives the information.

45. (Currently Amended) The method of claim [38] 83, wherein the one or more patients have at least one common characteristic determined based on the data received from the corresponding one or more medical monitoring devices.

46. (Previously Presented) The method of claim 45, wherein the common characteristic relates at least one of:
demographics;
a physical condition;
a mental condition;
a disease and/or stage thereof;
a medical condition;
a reaction to a medical treatment; and
a clinical trial associated with a drug.

47. (Currently Amended) The method of claim [38] 83, wherein each of the medical monitoring devices is associated with a corresponding patient and is used to monitor the corresponding patient based on a medical protocol.

48. (Previously Presented) The method of claim 47, wherein the medical monitoring device associated with a corresponding patient is configured for performing, based on a medical protocol, at least one of:
administering a medication intake schedule;
dispensing a medication following a plan;
gathering information in accordance with a monitoring schedule;

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generating an alert based on information gathered;

posing a questionnaire and gathering a response thereof;

providing an instruction;

monitoring an event and/or a condition;

converting a medical protocol into a set of events;

converting a medical protocol into a set of questionnaires;

transmitting information;

receiving a message; and

receiving a medical protocol.

49. (Currently Amended) The method of claim [38] 83, wherein the step of customizing comprises:

customizing a medical protocol related to a patient based on data received from a medical monitoring device associated with the patient;

determining one or more characteristics of the patient;

identifying one or more different patients who possess the one or more characteristics; and

customizing one or more medical protocols related to the one or more different patients.

50. (Previously Presented) A method for automatically delivering medication, comprising the steps of:

monitoring data relating to a patient using a sensor attached to or implanted in a patient;

generating an electrical signal from the sensor relating to delivering a medication to the patient in accordance with an accessible medical protocol associated with the patient; and

dispensing, by a medical device, a dose of the medication automatically in response to the electrical signal.

51. (Previously Presented) The method of claim 50, wherein the signal includes an indication of the dose and a time at which the medication is to be dispensed.

52. (Previously Presented) The method of claim 50, wherein the signal includes an indication of an event, upon whose occurrence the medication is to be dispensed.

53. (Previously Presented) The method of claim 52, wherein the occurrence of the event is reported and/or monitored by a medical monitoring device associated with the patient.

54. (Previously Presented) The method of claim 50, wherein the signal is supplied by a medical monitoring device associated with the patient.

55. (Previously Presented) The method of claim 50, wherein the medical protocol is stored on the medical monitoring device and is used in administering the medical treatment of the patient.

56. (Previously Presented) The method of claim 55, wherein the medical protocol is customized for one or more patients, including the patient.

57. (Previously Presented) The method of claim 56, wherein the customization of the medical protocol is performed based on data received from one or more medical monitoring devices associated with the one or more patients.

58. (Previously Presented) The method of claim 50, wherein the step of dispensing is performed by one of a device implanted in the patient, a device external to the patient, and a combination thereof.

59. (Previously Presented) A method for medical monitoring, comprising the steps of:
   receiving a signal indicating an occurrence of an event relating to a patient;
   automatically customizing a medical protocol associated with the patient in response to the occurrence of the event to generate a dynamically customized medical protocol for the patient;
   automatically administering a procedure determined based on the dynamically customized medical protocol for the patient.

60. (Previously Presented) The method of claim 59, wherein the event is scheduled to be monitored based on the medical protocol associated with the patient.

61. (Previously Presented) The method of claim 59, wherein the event includes at least one of:
   a physical event;

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a mental event;

a psychological event; and

an informational event.

62. (Previously Presented) The method of claim 59, wherein the occurrence of the event is detected by a monitoring device.

63. (Previously Presented) The method of claim 62, wherein the monitoring device is one of an implanted device internal to the patient and an external device.

64. (Previously Presented) The method of claim 59, wherein the occurrence of the event is reported by the patient.

65. (Previously Presented) The method of claim 64, wherein the patient reports the occurrence of the event as a response to a questionnaire posted by a medical monitoring device, acting in accordance with the medical protocol associated with the patient.

66. (Previously Presented) The method of claim 65, wherein the questionnaire is posted by the medical monitoring device at a time determined based on the medical protocol.

67. (Previously Presented) The method of claim 59, wherein the medical protocol is customized for one or more patients, including the patient.

68. (Previously Presented) The method of claim 59, wherein the step of automatically administering a procedure is performed by a medical monitoring device.

69. (Previously Presented) The method of claim 68, wherein the procedure includes:

generating a warning signal; and

sending the warning signal to a remote location.

70. (Previously Presented) The method of claim 69, wherein the warning signal includes a description of a medical state regarding the patient assessed in connection with the occurrence of the event.

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71. (Previously Presented) The method of claim 68, wherein the administering the procedure includes:

obtaining a medical treatment plan generated based on a medical state regarding the patient assessed in connection with the occurrence of the event;

implementing the medical remedial action plan.

72. (Previously Presented) The method of claim 71, wherein the medical treatment plan is generated by the medical monitoring device and/or received from a remote location.

73. (Previously Presented) The method of claim 71, wherein the medical treatment plan includes at least one of:

dispensing a medication based on a scheduled time and/or under a certain condition;

providing instructions; and

monitoring one or more additional events based on a certain schedule.

74. (Previously Presented) A machine-implemented method for automatically customizing medical protocols, comprising the steps of:

receiving data from a medical monitoring device associated with a patient;

identifying one or more other patients who have characteristics common to the patient;

retrieving information associated with the one or more other patients;

customizing medical protocols associated with the patient and the one or more other patients based on the received data and the retrieved information to derive customized medical protocols for the patient and the one or more other patients;

transmitting the customized medical protocols and/or information associated therewith to medical monitoring devices associated with the patient and the one or more other patients.

75. (Previously Presented) A system for customizing medical protocol, comprising:

receiving means configured for receiving data relating to one or more patients;

customizing means configured for automatically customizing one or more medical protocols based on the received data to derive one or more customized medical protocols; and

transmission means configured for transmitting the one or more customized medical protocols and/or information associated therewith to one or more medical monitoring devices associated with the one or more patients.

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76. (Previously Presented) An apparatus for automatically delivering medication, comprising:

monitoring means configured for monitoring data relating to a patient from a sensor attached or implanted in the patient;

generating means configured for generating an electrical signal for delivering a medication to the patient in accordance with an accessible medical protocol for the patient; and

dispensing means configured for dispensing automatically a dose of the medication in response to the electrical signal.

77. (Previously Presented) The apparatus of claim 76, further comprising a control means configured for monitoring the dose and a time at which the medication is to be dispensed according to the medical protocol.

78. (Previously Presented) The apparatus of claim 76, further comprising detecting means for detecting an occurrence of an event upon which the medication is to be dispensed according to the medical protocol.

79. (Previously Presented) An apparatus for medical monitoring, comprising:

receiving means configured for receiving a signal indicating an occurrence of an event relating to a patient;

customizing means configured for automatically customizing a medical protocol associated with the patient in response to the occurrence of the event to generate a dynamically customized medical protocol for the patient; and

administering means configured for administering a procedure determined based on the dynamically customized medical protocol for the patient.

80. (Previously Presented) A system for automatically customizing medical protocols, comprising:

receiving means configured for receiving data from a medical monitoring device associated with a patient;

identifying means configured for identifying one or more other patients who have characteristics common to the patient;

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retrieving means configured for retrieving information associated with the one or more other patients;

customizing means configured for customizing medical protocols associated with the patient and the one or more other patients based on the received data and the retrieved information to derive customized medical protocols for the patient and the one or more other patients; and

transmitting means configured for transmitting the customized medical protocols and/or information associated therewith to medical monitoring devices associated with the patient and the one or more other patients.

81. (Previously Presented) A method for customizing a medical protocol of a patient, comprising the step of:

implementing one or more medical monitoring devices to:

provide medical questionnaires to one or more patients,

select a specific questionnaire to provide to the patient based on one or more shared characteristics of the patients,

receive from the patient answers to one or more questions from the questionnaire, and

based upon the answers to the one or more of the questions by an individual patient, trigger an event conveying information to the individual patient.

82. (Currently Amended) The method of claim [81] <u>87</u>, wherein the event includes one or more of:

providing a new question for the patient to answer;

providing new information to the patient;

provide new medical advice to the patient;

providing a medication to the patient; and

providing a recommendation to the patient to carry out one or more behaviors related to managing their health.

83.   (New) The method of claim 38, wherein the customized medical protocols include a medication protocol customized for each patient.

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84.   (New) The method of claim 74, wherein the customized medical protocols include medication protocols customized for each patient.

85.   (New) The system of claim 75, wherein the customized medical protocols include medication protocols customized to individual patients.

86.   (New) The system of claim 80, wherein the customized medical protocols include medication protocols individualized for each patent.

87.   (New) The method of claim 81, wherein the information includes a medication protocol customized to the individual patient.